FORM PTO-1449  
(REV 2-32)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

File No. 02-24

Serial No.  
10/691,923

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Use several sheets if necessary)

Applicant(s):

Kevin M. Klucher, Pallavur V.  
Sivakumar, Wayne R. Kindsvogel,  
Katherine E. HendersonFiling Date:  
October 23, 2003

Group: 16467

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FH	A1	2003/0104416	06/05/03	Sheppard et al.	435	6	
	A2	2004/0029228	02/12/04	Presnell et al.	435	69.1	
	A3	2002/0039763	04/04/02	Sheppard et al.	435	69.1	
	A4	2004/0138122	07/15/04	Klucher et al.	514	12	
	A5	5,206,344	04/27/93	Katre et al.	530	351	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FH	A6	03/066002	08/14/03	WIPO			
	A7	02/086087	10/31/02	WIPO			
	A8	03/089603	10/30/03	WIPO			
	A9	02/20569	03/14/02	WIPO			
	A10	02/092762	11/21/02	WIPO			
	A11	0 032 134	07/15/81	EP			
	A12	04/037995	05/06/04	WIPO			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)

FH	A13		Kotenko et al., "IFN- $\lambda$ s mediate antiviral protection through a distinct class II cytokine receptor complex," <i>Nature Immunology</i> 4(1):69-77, 2003.				
	A14		Sheppard et al., "IL-28, IL-29 and their class II cytokine receptor IL-28R," <i>Nature Immunology</i> 4(1):63-68, 2003.				
	A15		Langer et al., "The Class II cytokine receptor (CRF2) family: overview and patterns of receptor-ligand interactions," <i>Cytokine and Growth Factor Reviews</i> 15:33-48, 2004.				
	A16		Donnelly et al., "The expanded family of class II cytokines that share the IL-10 receptor-2 (IL-10R2) chain," <i>J. Leukocyte Biol.</i> 76:314-321, 2004.				
	A17		Dumoutier et al., "Role of the Interleukin (IL)-28 Receptor Tyrosine Residues for Antiviral and Antiproliferative Activity of IL-29/Interferon- $\lambda$ 1," <i>J. Biochem.</i> 279(31):32269-32274, 2004.				
	A18		University Calif. Santa Cruz Genome Browser - Chromosome 19, April 20, 2001.				

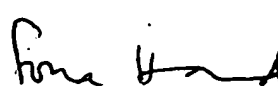
Examiner

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Date considered

1/6/06

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<b>FORM PTO-249</b> (REV 2-32) <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>		File No. 02-24	Serial No. 10/691,923
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		Applicant(s): Kevin M. Klucher, Pallavur V. Sivakumar, Wayne R. Kindsvogel, Katherine E. Henderson	
		Filing Date: October 23, 2003	Group: 16467
<b>U.S. PATENT DOCUMENTS</b>			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME
<b>FOREIGN PATENT DOCUMENTS</b>			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)</b>			
FH	A19		University Calif. Santa Cruz Genome Browser Database - August 6, 2001, Accession No. C19001210.
	A20		University Calif. Santa Cruz Genome Browser Database - August 6, 2001, Accession No. C19001212.
	A21		University Calif. Santa Cruz Genome Browser Database - August 6, 2001, Accession No. C19001213.
	A22		University Calif. Santa Cruz Genome Browser Database - December 22, 2001, Accession No. C19001260.
	A23		University Calif. Santa Cruz Genome Browser Database - December 22, 2001, Accession No. C19001256.
	A24		University Calif. Santa Cruz Genome Browser Database - December 22, 2001, Accession No. C19001257.
	A25		Ensembl Contig. View Sanger Institute - April 19, 2001, Accession No. AC011445.
	A26		Ensembl Contig. View Sanger Institute - April 18, 2000, Accession No. AC018477.
	A27		Adams et al., "3,400 expressed sequence tags identify diversity of transcripts from human brain," <i>Nat. Genet.</i> 4:256-267, 1993.
	A28		GenBank Submission XP-002202436, October 12, 2000.
	A29		GenBank Submission XP-002202437, December 12, 1999.
	A30		Kindsvogel et al., "Novel Interferon-Like Cytokines not Recognized by the Type I Interferon Receptor," <i>J. Interferon Cytokine Res.</i> 22(1):S-48, 2002.
	A31		Adams et al., Accession No. T07139, 1993.
A32		DOE Joint Genome Institute Stanford Human Genome Center, Accession No. AC011445, 1999.	
A33		Muzney et al., Accession No. AC007458, 1999.	
Examiner		Date considered	
		1/9/06	
<b>EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)</b>							
FH	A34			University of California Santa Cruz database using Softberry, Inc. gene prediction software, Accession No. C19001084, 2001.			
	A35			Scott et al., "The Pendred syndrome gene encodes a chloride-iodide transport protein," <i>Nature Genetics</i> , 21:440-443, 1999.			
	A36			Korba et al., "A cell culture assay for compounds which inhibit hepatitis B virus replication," <i>Antiviral Research</i> 15:217-228, 1991.			
	A37			Brack et al., "Molecular analysis of the human interferon- $\alpha$ gene family," <i>Gene</i> 15:379-394, 1981.			
	A38			Francis et al., "PEGylation of cytokines and other therapeutic proteins and peptides: the importance of biological optimization of coupling techniques," <i>International Journal of Hematology</i> , 68(1):1-18, 1998.			
	A39			Rajaratnam et al., "Disulfide Bridges in Interleukin-8 Probed Using Non-Natural Disulfide Analogues: dissociation of Roles in Structure from Function," <i>Biochemistry</i> 38:7653-7658, 1999.			
	A40			Luxon et al., "Pegylated Interferons for the Treatment of Chronic Hepatitis C Infection," <i>Clinical Therapeutics</i> 24(9):1363-1383, 2002.			
	A41			Kozłowski et al., "Improvements in protein OEGylation: pegylated interferons for treatment of hepatitis C," <i>Journal of Controlled Release</i> 72:217-224, 2001.			
	A42			Goodson et al., "Site-Directed Pegylation of Recombinant Interleukin-2 at its Glycosylation Site," <i>BioTechnology</i> 8(4):343-346, 1990.			
V	A43			Pettit et al., "Structure-Function Studies of Interleukin 15 using Site-specific Mutagenesis, Polyethylene Glycol Conjugation, and Homology Modeling," <i>J. Biochem</i> 272(4):2312-2318, 1997.			
Examiner				Date considered			
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